



Claims

- [c1] A tower system including a tower and a support member adapted to be secured non-permanently via the support member to different sized cargo portions of a moving vehicle, and further adapted to permit full usable cargo space capacity when the tower is being used comprising:
- a tower structure including means to allow a user to sit on the tower when the tower is in an extended position; and
- a support member to which the tower structure is secured, the support member including front and rear channel members to which the tower is releasably secured, each channel member having two end portions, each end portion of the channel members being in contiguous relation to a device that is slidable with regard to the channel members and adapted to be secured to the channel members, each device extending from a member that is structured to be force-fit and secured against the cargo frame of the vehicle in a non-permanent manner so as to lock the support member to the cargo frame.
- [c2] The tower system of claim 1, wherein said tower structure is portable and collapsible.
- [c3] The tower system of claim 1, wherein said device is a plate member.
- [c4] The tower system of claim 3, wherein each of said devices is secured to an angle beam member and each angle beam member is force-fit against a side rail which forms said cargo area.
- [c5] The tower system of claim 4, wherein each angle beam member is formed of about a 90 degree angle.
- [c6] The tower system of claim 1, wherein said tower structure includes a ladder frame having front and rear leg portions to enable a user to climb the ladder, supporting rails, and mounting brackets for releasably securing each of the leg portions of the ladder frame to the support member.
- [c7] The tower system of claim 1, wherein said ladder frame is a foldable A-frame ladder structure, said front and rear leg portions of said ladder forming the A-frame of said ladder.

- [c8] The tower system of claim 1, wherein each leg of said ladder is secured to a channel member of said support member at a lower portion of each of said legs.
- [c9] The tower system of claim 8, wherein each leg is secured to said support member at two locations.
- [c10] The tower system of claim 9, wherein each of said legs is formed of two structural members and is secured to said channel members of said support member by a releasable retainer pin.
- [c11] The tower system of claim 10, wherein each of said legs includes a plurality of beam members that extend between each of the two structural members, thereby forming a plurality of steps, enabling a user to climb said tower when in an extended position.
- [c12] The tower system of claim 1, wherein each of said end portions of each of said channel members include a plurality of openings, thereby enabling a retainer pin to secure said angle beam members at various positions along said channel members.
- [c13] The tower system of claim 4, wherein each of said angle beam members is a right angle beam member with two legs forming about a 90 ° angle, one of the beam member legs of each beam member being positioned against an inside wall of said cargo portion of said vehicle and the other leg of said angle beam member positioned against a top portion of a wall of said cargo.